

N-phosphorylated amides and thioamides

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Abstract

The first systematic review is presented on carboxylic and thiocarboxylic acid amides containing a substituent with four-coordinated phosphorus atom at the nitrogen atom. The synthesis, structure and certain chemical properties of this compound class have been examined together with their prototropic and phosphorylotropic tautomerism, their dual reactivity, and the structure and properties of some of their metallic and organic derivatives. Particular attention has been paid to the practical application of these compounds. The bibliography includes 223 references. © 1991 IOP Publishing Ltd.

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